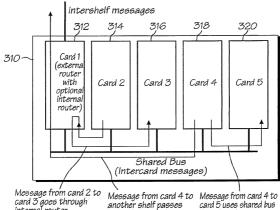


FIG. 2



card 3 goes through internal router

through external router

directly without going through the internal shelf router

FIG.

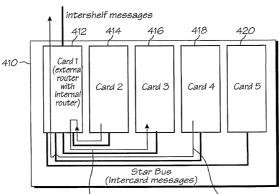


FIG.

Message from card 2 to card 3 goes through internal router

Message from card 4 to another shelf passes through external router

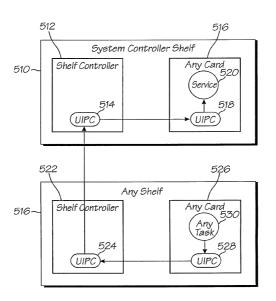


FIG. 5

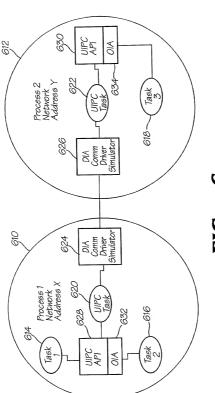


FIG. 6